

## Calendar

**Wednesday, Jan. 2**  
**Happy New Year!**  
 THERE WILL BE NO  
 SEMINARS THIS WEEK

## Weather



**Chance of snow 11°/-4°**

[Extended Forecast](#)  
[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

**Wednesday, Jan. 2**

- Vegetable Beef
- Fish & Chips
- Smart Cuisine: Grill Salmon
- Country fried steak w/pepper gravy
- Beef & cheddar panini w/ sauteed onions
- Assorted slice pizza
- Cavatappi pasta w/Italian sausage & tomato ragu

[Wilson Hall Cafe Menu](#)

## Chez Leon

**Wednesday, Jan. 2**

**Lunch**

- Closed

**Thursday, Jan. 3**

**Dinner**

- Closed

[Chez Leon Menu](#)

Call x4598 to make your reservation.

## Archives

## Feature

### Joint Argonne-Fermilab Lee Teng internship molds minds



The Lee Teng undergraduate internship beginning this summer is a joint endeavor between Argonne and Fermilab as part of the Illinois Accelerator Institute.

The internship, named after Lee Teng, a physicist best known for his work shaping Fermilab and Argonne, emerged from the regular meetings between the laboratories.

Eric Prebys, a Fermilab physicist and chair of the Lee Teng Internship Search Committee, said that the program will accept four to five students at each institution. Students will be mentored by accelerator physicists and will attend the week-long U.S. Accelerator Physics School June 16-27 in Annapolis, Maryland. Prebys also hopes to include joint mentoring or social activities.

"We wanted to have a named program, something to give it prestige. We decided on Lee, since he is well known for his work at both laboratories," said Rod Gerig, director of Argonne's Accelerator Institute.

Teng was the recipient of the 2007 Robert R. Wilson prize for achievement in physics of particle accelerators. He began his career at Argonne in 1955 and became director of the Particle Accelerator Division in 1961. He was responsible for constructing and operating the Zero Gradient Synchrotron before moving to Fermilab in 1967 as the head of accelerator

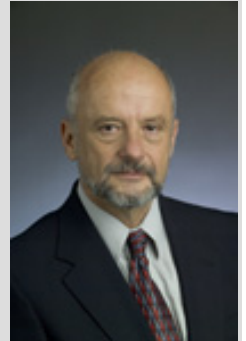
A new joint Fermilab / Argonne venture dedicated to molding the minds of the next generation of accelerator physicists starts this summer.

The internship is the latest endeavor to come out of the Memorandum of Understanding signed between Fermilab and Argonne to encourage further collaboration. The idea for the

## Director's Corner

### Welcoming 2008

This will be a defining year for Fermilab and for high energy physics in our nation. The omnibus bill passed by Congress and signed into law by President Bush two weeks ago is devastating to our field and our laboratory. We understand that unintended consequences



happen when legislation is hurriedly put together without the opportunity for broad consideration of its effects. Almost immediately after the bill's passage we received extraordinary [support](#) from Senators Durbin and Obama and Representatives Biggert and Lipinski stating their commitment to restore funding to HEP and Fermilab and prevent irrevocable damage to a program of world-leading science. We are grateful as well for the outpouring of support we have received from [mayors](#), legislators, business leaders, scientists and the public in Illinois. Similarly our colleagues nationally and internationally have mobilized in support of Fermilab.

We should take heart from the broad national consensus that investments in science and technology, and specifically more investment in the physical sciences, are imperative for the well-being of our country. We owe it to the future of our children in an increasingly competitive world to strive to be the very best in education, science and technology. Unlike many areas of policy in which disagreements reign between the Executive and Legislative branches and between the major parties, the support of science and technology is the domain where everyone in government is in agreement. Thus, although we are not yet out of the woods, we expect that the unintended damage to our programs will be repaired.

In the meantime our ability to make the case for support rests on the excellence of our programs. We must continue to operate our facilities at peak productivity, leanly, efficiently and safely. We must produce landmark physics results and articulate clearly the discovery opportunities ahead. To accomplish

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

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is online at:  
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theory. He worked at Fermilab for 22 years, serving as the associate director of AD and as the head of the Advanced Accelerator Project. He returned to Argonne in 1989 as the head of the APS accelerator physics contingent. He retired in 2004, but still serves as emeritus senior scientist.

"The face of two national laboratories was first sketched by Lee," said Vladimir Shiltsev, director of Fermilab's Accelerator Physics Center.

The internship is a program of the Illinois Accelerator Institute, an organization made up of Illinois-based organizations interested in promoting the development of accelerator based research. It currently includes Argonne National Laboratory, Fermilab, and the USPAS.

Applications are due by Feb. 8. For more information or to apply, visit the [Illinois Accelerator Institute](#).

For more information on Lee Teng see the [Cern Courier article](#) on him.

-- *Rhianna Wisniewski*

**In the News****Congress must reverse Fermilab cuts**

From *Daily Herald*, Dec. 26, 2007

From the emotional high of discovering the origin of cosmic rays to the downtrodden feeling of being at the mercy of politicians making decisions about your livelihood -- all within a few weeks. Such is the life of a Fermilab employee.

The high-energy physics lab in Batavia has faced the threat of federal budget cuts before, but Congress has more often than not come through with the funding needed to continue the lab's research and major projects. But Congress has just passed a 2008 budget bill that cuts \$52 million for Fermilab. Fermilab is facing what it considers "a disaster" for the lab's planned projects and future research in general.

[Read more](#)

See all related news stories [here](#)

**In the News**

this, every one of you plays an essential role. Please join me in confronting the challenges of 2008 with energy and optimism.

**Safety Update****ES&H weekly report, Jan. 1**

This week's safety report, compiled by the Fermilab ES&H section, lists no incidents. The full report is here [here](#).

The previous week, an employee fell in the parking lot. The full report is [here](#).

[Safety report archive](#)

**Accelerator Update****Dec. 19 - 21**

- Three stores provided 21 hours and 37 minutes of luminosity
- Experts prepare Switchyard and MTest for next user
- Booster experts increase beam intensity
- Power glitch trips off vacuum pump and causes quench
- Operations hopes your holidays are bright and full of cheer

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****Have a safe day!****Project X physics workshop Jan. 25-26**

Fermilab will host a second users' workshop Jan. 25-26 to discuss the physics of Project X. The workshop will focus on the details of the experiments that might be proposed to take advantage of a high-intensity proton source, their physics impact and the development of the overall experimental strategy. Information about the workshop, working groups and ongoing efforts is available [online](#).

**Introduction to LabVIEW**

Engineers, scientists and technicians who build test, measurement, process monitoring and control or research and analysis applications will learn how to build powerful, custom test, measurement and control applications from scratch using intuitive, measurement-specific graphical programming. [Learn more and enroll](#).

**Fermi Kyuki-Do Class begins Jan. 7**

## Hospitals look to nuclear tool to fight cancer

From *New York Times*,  
Dec. 26, 2007

**Editor's note:** *Fermilab built the accelerator for the Loma Linda proton center, mentioned in this story.*

There is a new nuclear arms race under way — in hospitals.

Medical centers are rushing to turn nuclear particle accelerators, formerly used only for exotic physics research, into the latest weapons against cancer.

Some experts say the push reflects the best and worst of the nation's market-based health care system, which tends to pursue the latest, most expensive treatments — without much evidence of improved health — even as soaring costs add to the nation's economic burden.

[Read More](#)

Want to start the New Year out right with practical exercise? Kyuki-Do is a practical method of selfdefense that will teach you three important things: balance, power and grace. Classes are held for six weeks on Monday and Wednesday from 5 - 6 p.m. at the Recreation Facility in the Village. You need to register through the Recreation Office and also be a member of the Recreation Facility.

### **Brown Bag Seminar Jan. 25**

Brown Bag Seminar in Curia II from noon to 1 p.m. entitled "Who moved my Cheese" by Preston Harley, M.D.

[Additional Activities](#)